

WHAT IS CLAIMED IS:

1. An image display device, comprising:  
a rear plate having a large number of electron emission elements  
5 formed in a predetermined arrangement; and  
a face plate placed opposite to the rear plate and having  
a pattern of a phosphor layer formed in a predetermined arrangement  
and a pattern of a light absorption layer formed as a black matrix,  
on an inner surface of a light transmissive panel,  
10 wherein each pattern portion of the phosphor layer is composed  
of a light emitting portion receiving electron beams emitted from  
the electron emission elements projected thereto to emit light and  
a non-light emitting portion formed in a periphery of the light  
emitting portion, and the each pattern portion has a polygonal shape  
15 obtained by cutting corners from a quadrangle concentric with the  
light emitting portion.
2. The image display device as set forth in claim 1, wherein  
an area of the each pattern portion of the phosphor layer is 1.5  
to 4 times an area of the light emitting portion.
- 20 3. An image display device, comprising:  
a rear plate having a large number of electron emission elements  
formed in a predetermined arrangement; and  
a face plate placed opposite to the rear plate and having  
a pattern of a phosphor layer formed in a predetermined arrangement  
25 and a pattern of a light absorption layer formed as a black matrix,  
on an inner surface of a light transmissive panel,  
wherein each pattern portion of the phosphor layer is composed  
of a light emitting portion receiving electron beams emitted from

the electron emission elements projected thereto to emit light and a non-light emitting portion formed in a periphery of the light emitting portion, and an area of the each pattern portion is 1.5 to 4 times an area of the light emitting portion.